

ABSTRACT OF THE DISCLOSURE

[0075] Aspects of the invention are found in a heating component having a composite material coated on a support. The composite material includes a fluorinated or silicone polymer and inductively-heatable particles. Additional aspects of the invention are found in a heating belt having a flexible support coated with a composite material. The composite material includes a polymer material and inductively-heatable particles. Further aspects of the invention are found in a system for heating an article. The system includes a heating belt and a field generator. The heating belt includes a flexible support coated in a composite material. The composite material includes a polymeric matrix and inductively-heatable particles. The field generator induces a field about the heating belt. The inductively-heatable particles heat in the presence of the field.